

DISTRIBUTING LIMITED STORAGE AMONG A COLLECTION OF MEDIA OBJECTS

Abstract of the Disclosure

5 A quality level determining the extent to which each image file is compressed
is automatically computed for each image file in a set to ensure that the total size of
the compressed image files does not exceed a predefined limit. The compressed size
of each image file is initially determined when compressed at a predefined minimum
acceptable level and at a nominal level. The relative complexity of the image files is
determined based upon their high frequency energy content. As a function of the
10 image file complexity, and starting with the compressed sizes initially determined,
the appropriate quality level is determined for compressing each of the image files in
an iterative process that ensures the total size of the compressed image files does not
exceed the predefined limit, while retaining acceptable quality. Thus, a set of image
files can be compressed optimally to fit within a limited storage.